

PRODUCT INFORMATION AMIGO R2BA

The Amigo R2BA receiver is multi-channel and connects easily to Ponto bone-anchored sound processors manufactured by Oticon Medical. With its advanced features R2BA makes FM easy to use.

Certainty

The unique, built-in LED on the receiver provides instant confirmation that the FM system is setup correctly. When the LED is lit, the teacher knows that:

- The Ponto processor battery is functioning
- The receiver is ON
- The transmitter and receiver are working together properly
- The user is on the right channel

Durability

From the exterior casing to the internal components, Amigo is an extremely durable and reliable FM receiver.

- Withstands accidental dropping
- Moisture resistant
- Low weight (1 gram)
- Gold plated connectors ensures perfect connection
- Ultrasonically welded together

Both the 3-position switch and the channel button have been thoroughly tested and comply with all relevant standards.

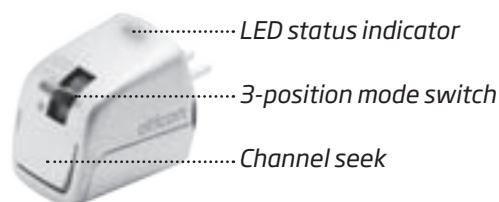
Convenience

The Amigo R2BA offers a wide range of features that make the set-up and use of FM systems extremely easy:

- LED that acts as status indicator
- Channel-seek button that enables the user to change channel
- Multi channel. Each receiver contains a pre-defined list of channels on which it can be used. This list can be customized with the Amigo T20, T21 or the WRP
- Sleep mode. The receiver will go into sleep mode, if there has not been an FM signal for 60 seconds. The receiver will wake up and scan for an FM carrier every 10 seconds. If no signal is detected after 90 minutes, Amigo R2BA turns off to conserve Ponto's battery power.

Features

- Multi-channel
- Wireless synchronization
- LED indicator
- Channel seek
- Programmable de-emphasis
- Child ID
- Programmable default channel
- Programmable switch
- Sleep mode
- 0-30 dB gain range

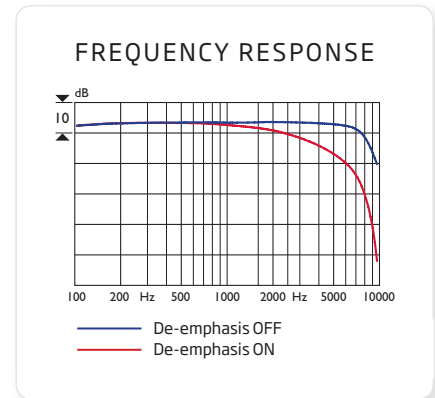


Compatibility with FM systems

Amigo receivers work with other manufacturers' transmitters. And Amigo R2BA can wirelessly be programmed with Amigo T20/T21 transmitters or Amigo WRP.

Channel management

With Amigo transmitters and receivers, channel management is easy. The Amigo T20/T21 transmitters are able to scan the environment for interference-free channels and wirelessly synchronize the FM receiver.



Technical data

Amigo R2BA

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|---|---|
| Dimensions | 14 x 11x 12 mm |
| Weight | 1 g |
| Battery drain | 2.00 mA with LED ON 1.60 mA with LED OFF 0.75 mA in sleep mode 170 µA in OFF mode |
| Supply range | 0.9-2.0 V |
| Operating frequencies (country dependent) | 169.40-169.80 MHz 173.30-175.05 MHz 181.40-186.40 MHz 216.00-218.00 MHz (US and Canada) |
| Programming frequency | 3.7 Mhz |
| Channel selection | R2BA has a Channel-Seek button. Press this once to seek and lock on to a channel with an active FM signal. |
| De-emphasis (can be disabled) | 80 µs time constant |
| Channel spacing | 150 kHz |
| Antenna type | Built-in |
| Color | Silver |
| Emissions | R2BA is in compliance with all relevant standards |
| Intended climate conditions | 0-50°C |
| FM range | Up to 30 m/100 ft |
| Audio bandwidth | 100 Hz - 7.500 Hz |
| Programming range | 50 cm/20 in (with Amigo T20/T21 transmitters) |
| SNR | 50 dB |
| Distortion | THD < 1 % |